G501975SE91201

PCI-Express SATA III (6G) Card

User Manual
Ver. 1.00

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Features and Benefits

- Compliant with PCI-Experss Specification v2.0 and backward compatible with PCI-Express 1.x
- Compliant with Serial ATA Specification 3.0
- Supports communication speeds of 6.0Gbps, 3.0Gbps, and 1.5Gbps
- Hot plug and Hot Swap(for SATA hard drives)
- Supports Native Command Queuing (NCQ)
- Supports Port Multiplier FIS based switching or command based switching
- Supports ATA and ATAPI commands
- Compatible with SATA 6G, 3G and 1.5G Hard Drives
- Supports Windows® XP / Server 2003 / Vista / 7 (32/64 bit)

Bus Interface

- PCI-Express x1

Connectors

- 2x SATA connectors
- 1x IDE connectors

System Requirements

- PCI Express-enabled system with one available PCI Express slot
- Windows® XP/Server 2003/Vista/7 (32/64 bit)

Package Contents

- 1 x PCIe SATA III 6Gb/s Card
- 1 x SATA Cable
- 1 x IDE Cable
- 1 x Driver CD
- 1 x User Manual
- 1 x Low Profile Bracke

▲ ***Note: Contents may vary depending on country/market.***

Hardware Installation

1. Turn off your computer.
2. Unplug the power cord and remove your computer's cover.
3. Remove the slot bracket from an available PCIe slot.
4. To install the board, carefully align the card's bus connector with the selected PCIe slot on the motherboard. Push the board down firmly.
5. Attach your internal devices to the PCIe SATA 6G Card.
6. Replace the slot bracket's holding screw to secure the card.
7. Replace the computer cover and reconnect the power cord.

Driver Installation

For Windows® XP / Server 2003 (32bit)

For A New Windows Installation

A new installation requires a floppy disk for the driver installation. To make this floppy disk, copy the contents of the "Marvell\9128\Driver\miniport\Floppy32" folder found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Follow Microsoft's Windows installation procedure.
2. At the Windows Setup screen, press F6 to install the driver.
3. When prompted, press S to specify the location of the driver.
4. Insert the floppy disk, and then press Enter.
5. Scroll to Marvell shared library (install first) using the arrow keys and press Enter to select.
6. Press S again to select the second device.
7. Scroll to Marvell 9128 SATA Controller 32bit Driver and press Enter to select.
8. Press Enter to complete the installation of drivers.
9. Continue with the Windows OS installation.

For An Existing Windows Installation

1. Please insert the driver CD bundled with PCIe SATA 6G Card into your CD-ROM Drive.
2. At the Windows desktop, click Start, and then Run.
3. Type D:\Marvell\9128\Driver\drvSetup.exe, click OK. (Change D:\to match your CD-ROM drive letter)
4. Follow the on-screen instructions to complete the installation.
5. Restart Windows to complete the installation.

For Windows® XP/Server 2003(64bit)

For A New Windows Installation

A new installation requires a floppy disk for the driver installation. To make this floppy disk, copy the contents of the "Marvell\9128\Driver\miniport\Floppy64" folder found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Follow Microsoft's Windows installation procedure.
2. At the Windows Setup screen, press F6 to install the driver.
3. When prompted, press S to specify the location of the driver.
4. Insert the floppy disk, and then press Enter.
5. Scroll to Marvell shared library (install first) using the arrow keys and press Enter to select.
6. Press S again to select the second device.
7. Scroll to Marvell 9128 SATA Controller 64 bit Driver and press Enter to select.
8. Press Enter to complete the installation of drivers.
9. Continue with Windows OS installation.

For An Existing Installation

1. Please insert the Driver CD bundled with PCIe SATA 6G Card into your CD-ROM Drive.
2. At the Windows desktop, click Start, and then Run.
3. *Type D:\Marvell\9128\Driver\drvSetup.exe, click OK. (Change D:\to match your CD-ROM drive letter)*

4. Follow the on-screen instructions to complete the installation.
5. Restart Windows to complete the installation.

For Windows® 7/Vista (32bit)
For A New Windows Installation

1. Follow Microsoft's Windows installation procedure.
2. At the Windows Setup screen, press Load Driver to install the driver.
3. Insert the Driver CD bundled with PCIe SATA 6G Card into your CD-ROM Drive, please select Marvell 9128 SATA 6G Controller(*D:\Marvell\9128\Driver\miniport\Floppy32\mv91xx.inf*), then press Next. (*Change D:\to match your CD-ROM drive letter*)
4. Continue with Windows OS installation.

For An Existing Installation

1. Please insert the Driver CD bundled with PCIe SATA 6G Card into your CD-ROM Drive.
2. At the Windows desktop, click Start, and then Run.
3. *Type D:\Marvell\9128\Driver\drvSetup.exe, click OK. (Change D:\to match your CD-ROM drive letter*
4. Follow the on-screen instructions to complete the installation.
5. Restart Windows to complete the installation.

For Windows® 7-x64/Vista-x64
For A New Windows Installation

1. Follow Microsoft's Windows installation procedure.
2. At the Windows Setup screen, press Load Driver to install the RAID driver.
3. Insert the Driver CD bundled with PCIe SATA 6G Card into your CD-ROM Drive, please select Marvell 9128 SATA 6G Controller (*D:\Marvell\9128\Driver\miniport\Floppy64\mv91xx.inf*), then pres Next. (*Change D:\to match your CD-ROM drive letter*)
4. Continue with Windows OS installation.

For An Existing Installation

1. Please insert the Driver CD bundled with PCIe SATA 6G Card into your CD-ROM Drive.
2. At the Windows desktop, click Start, and then Run.
3. *Type D:\Marvell\9128\Driver\drvSetup.exe, click OK. (Change D:\to match your CD-ROM drive lett*
4. Follow the on-screen instructions to complete the installation.
5. Restart Windows to complete the installation.

To Verify Driver Installation

1. Right click My Computer and click Manage.
2. Select Device Manager.
3. Look for the following:

Windows® XP/2003 : Double click SCSI and RAID controller:
-Marvell 91xx SATA 6G Controller should be displayed

Windows® Vista/7 : Double click Storage controllers:
-Marvell 91xx SATA 6G Controller should be displayed